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# 1 [Query optimization I: Access paths in the "Abe" statistical query facility](#)



Anthony Klug

 June 1982 **Proceedings of the 1982 ACM SIGMOD international conference on Management of data SIGMOD '82**

Publisher: ACM Press

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An increasingly important part of information processing today involves the taking of counts, sums, averages, and other statistical or aggregate quantities. The "Abe" query language is designed to make formulation of complicated aggregations simple. Access path selection in Abe finds efficient ways to execute these complicated queries. Access paths for Abe queries perform "aggregate joins", that is, they compute aggregate quantities at the same time as they join subqueries with parent queries. T ...

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IEEE CNF	IEEE Conference Proceeding
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L1	33	(re\$generat\$3 or re\$creat\$3 or regenerat\$4 or re\$bui\$4 or re\$defin\$5) with "access path"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:09
L2	79	(re\$generat\$3 or re\$creat\$3 or regenerat\$4 or re\$bui\$4 or re\$defin\$5) same ("access path" or (access\$3 near2 path\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:10
L3	3	(re\$generat\$3 or re\$creat\$3 or regenerat\$4 or re\$bui\$4 or re\$defin\$5) same ("access path" or (access\$3 near2 path\$1)) same variable\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:12
L4	206	("access path" or (access\$3 near2 path\$1)) same variable\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:25
L5	18	((("access path" or (access\$3 near2 path\$1)) same variable\$1).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:12
L6	24	((("access path" or (access\$3 near2 path\$1)) same variable\$1).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:15
L7	4	4 and 5 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:14
L8	11443	(707/3 or 707/4 or 707/100 or 707/104 or 707/103).cls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:15
L9	460	("access path" or (access\$3 near2 path\$1)) and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:15
L10	206	("access path" or (access\$3 near2 path\$1)) and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:15
L11	19	("access path" or (access\$3 near2 path\$1)) same (value near4 variable\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:40
L12	2	"4956774".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/05 08:40

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